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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS: James Agutter
Dwayne R. Westenskow
Noah Syroid
Julio C. Bermudez
Yinqi Zhang

ASSIGNEE: University of Utah

SERIAL NUMBER: n/a

DATE FILED: n/a

TITLE: METHOD AND APPARATUS FOR MONITORING DYNAMIC
CARDIOVASCULAR FUNCTION USING N-DIMENSIONAL
REPRESENTATIONS OF CRITICAL FUNCTIONS

ATTORNEY DOCKET: 4315 P

Assistant Commissioner for Patents
Box PATENT APPLICATION
Washington, DC 20231

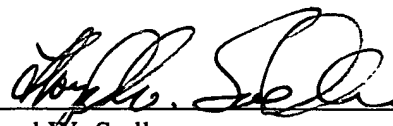
COVER LETTER

Honorable Assistant Commissioner:

Enclosed herewith please find the following documents comprising a United States patent application: (1) specification, claims and drawings, (2) fee calculation sheet, (3) fee, (4) declaration of inventor, (5) statements of small entity status, (6) information disclosure statement, and (7) return receipt postcard.

Because the inventors are presently unavailable, the declarations, including the small entity status, are submitted unsigned. Applicant intends to file signed declarations including the declarations claiming small entity status within the permitted time after receiving a Notice of Missing Parts.

Respectfully submitted this 10th day of October, 2000.


Lloyd W. Sadler
Reg. No. 40,154
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Honorable Assistant Commissioner:

The fee for the accompanying patent application is calculated as follows:

Basic Filing Fee (small entity)	\$ 355.00
Independent claims in excess of three	\$ 0.00
(0 x 40.00 each)	
Claims in excess of twenty	\$ 0.00
(0 x 9.00)	
Recordation of Assignment	\$ 0.00
Recordation of Assignment	\$ 0.00
TOTAL	\$ 355.00

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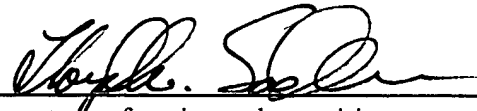
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CERTIFICATE OF MAILING

Honorable Assistant Commissioner:

I hereby certify that the attached paper of fee (Patent Application) is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee," Express Mail Mailing Label Number EX91694071705, (under 37 C.F.R. § 1.10) on this 10th day of October, 2000 with sufficient postage and in an envelope addressed to the Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, DC 20231.



Signature of registered practitioner or other person
having a reasonable basis to expect mailing to occur
on the date of deposit shown pursuant to 37 C.F.R.
§ 1.8(a) or person actually making deposit pursuant
to 37 C.F.R. § 1.10(b).

Lloyd W. Sadler, Reg. No. 40,154
Name of person whose signature is given above